

1.Component NAVY	FY 2005 MILITARY CONSTRUCTION PROGRAM			2.Date 13 JAN 2004
3. Installation and Location/UIC: M67604 MARINE CORPS AIR STATION CAMP PENDLETON, CALIFORNIA			4. Project Title WEIGHT HANDLING EQUIPMENT SHOP	
5.Program Element 0206496M	6.Category Code 21820	7. Project Number P038	8. Project Cost (\$000) 6,630	
9. COST ESTIMATES				
Item	UM	Quantity	Unit Cost	Cost(\$000)
WEIGHT HANDLING EQUIPMENT SHOP (21,840 SF)	m2	2,029		4620
EQUIPMENT MAINTENANCE SHOP (16,404 SF)	m2	1,524	1,960.00	(2990)
(16,404 SF)				
ORDNANCE OPERATIONS BLDG (5,436 SF) (5,436 SF)	m2	505	2,025.05	(1020)
BUILT-IN EQUIPMENT	LS			(240)
TECHNICAL OPERATING MANUALS	LS			(60)
INFORMATION SYSTEMS	LS			(110)
ANTI-TERRORISM/FORCE PROTECTION	LS			(200)
SUPPORTING FACILITIES				1130
SPECIAL CONSTRUCTION FEATURES	LS			(370)
ELECTRICAL UTILITIES	LS			(200)
MECHANICAL UTILITIES	LS			(170)
PAVING AND SITE IMPROVEMENTS	LS			(390)
SUBTOTAL				5750
CONTINGENCY (5%)				290
TOTAL CONTRACT COST				6040
SIOH (6%)				360
SUBTOTAL				6400
DESIGN/BUILD - DESIGN COST				230
TOTAL REQUEST ROUNDED				6630
TOTAL REQUEST				6630
10. Description of Proposed Construction				
<p>Construct a multi-story reinforced Concrete Masonry Unit (CMU) building with seismic upgrades, spread footing foundations, reinforced concrete slab and floors, structural steel framing, steel truss and standing seam metal roof. Project will provide facilities for the maintenance of construction and weight handling equipment and operations of the Explosive Ordnance Disposal (EOD) teams. Construction will include drive-through equipment maintenance bays, a battery charging shop, utility shop, welding shop, administrative and classroom space, tool storage, pollution prevention measures, showers and locker areas. Special construction features include seismic construction, sound attenuation, magazine storage area, vault, and hazardous material storage area. Sustainable design principles will be included into the construction of the project in accordance with Executive Order 13123 and other laws and executive orders. Built-in equipment includes emissions system, sawdust collection system, welding hood, two 6-ton overhead cranes, personnel/freight elevator, compressed air system, public address system, and 25KW generator. Electrical systems include fire alarms, energy saving electronic monitoring and control system (EMCS), and information systems. Mechanical</p>				

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<p>systems include plumbing, fire protection systems, heating ventilation and air conditioning. Supporting facilities work includes site and building utility connections (water, natural gas, sanitary and storm sewers, electrical, telephone, Local Area Network (LAN), and cable television). Paving and site improvements include exterior site and building lighting, paved parking, sidewalks, storm water management, earthwork, grading, landscaping, and automatic irrigation system. Demolition of six existing inadequate CMU buildings (1296, 1361, 2514, 2537, 2538, 25152) including asbestos removal and lead based paint abatement will be funded through the centrally managed demolition program. These six buildings are outside the new construction footprint. Construction will be in Seismic Zone 4. Also includes Technical Operating Manuals, Anti-Terrorism/Force Protection features, and necessary environmental mitigation.</p>				
<p>11. Requirement: <u>2029m2</u> Adequate: <u>0m2</u> Substandard: <u>0m2</u></p> <p>PROJECT: This project builds a facility that consolidates Marine Wing Support Squadron (MWSS) engineering equipment maintenance elements with the Range Operations Division and three EOD teams, resulting in an over 50% reduction in square footage of facilities in the inventory. (Current Mission)</p> <p>REQUIREMENT: Adequate and efficient facilities are required to support consolidation of similar units in a reduced facilities footprint. This project will consolidate MWSS-372 assigned to the Air Station with the base Range Operations Division and Explosive Ordnance Disposal. The facilities that are already assigned to MWSS-372 form the core of facilities that the consolidation effort will build upon. The remaining elements of MWSS-372 to be consolidated include: repair bays for large construction equipment, welding shop and associated storage, utilities shops, battery shop and classroom spaces. Range Operations Division (ROD) is responsible for construction and maintenance of targets on the Marine Corps Base (MCB) live fire ranges. Live fire training is required to qualify combat units for employment in operations. Because live fire destroys the targets, continuous work must be accomplished to replace the targets. This function uses similar tools, equipment and methods as the MWSS, making the consolidation of like functions in a common facility possible. The EOD function has a component within MWSS-372, the Air Station, and the Base, and the function of all three units is to clear the unexploded ordnance from the live fire ranges to ensure they are safe to use; most of this activity occurs around the targets replaced by the Range Operations Division. The near identical functions allow consolidation in a smaller facility.</p> <p>CURRENT SITUATION:</p>				

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<p>Currently the functions selected for consolidation are located in World War Two era Quonset huts as well as dilapidated World War II wooden structures dispersed around MCB Camp Pendleton. The aggregate space to be eliminated is twice the area required to support the functions in a consolidated environment.</p> <p>IMPACT IF NOT PROVIDED: Existing inadequate facilities will continue to be used and MCAS Pendleton will continue to live with unacceptable maintenance backlogs and downtime for equipment. Safety, health and environmental concerns will continue to be compromised. Combat readiness will be jeopardized because equipment will not be available for field training. Continued use of the inadequate maintenance and operations facilities may result in damage to or loss of equipment, and would leave the personnel in inadequate, unsafe facilities.</p>																																	
<p>12. Supplemental Data:</p> <p>A. Estimated Design Data:</p> <p>1. Status:</p> <table> <tr> <td>(A) Date Design Start</td> <td>082002</td> </tr> <tr> <td>(B) Date Design 35% Complete</td> <td>092004</td> </tr> <tr> <td>(C) Date Design Completed</td> <td>042005</td> </tr> <tr> <td>(D) Percent Completed as of SEPTEMBER 2003</td> <td>3%</td> </tr> <tr> <td>(E) Percent Completed as of JANUARY 2004</td> <td>3%</td> </tr> <tr> <td>(F) Type of Design Contract</td> <td>Design Build</td> </tr> <tr> <td>(G) Parametric Estimate used to develop cost</td> <td>Yes</td> </tr> <tr> <td>(H) Energy study/Life cycle analysis performed</td> <td>Yes</td> </tr> </table> <p>2. Basis:</p> <table> <tr> <td>(A) Standard or Definitive Design:</td> <td>No</td> </tr> <tr> <td>(B) Where Design Was Most Recently Used:</td> <td>N/A</td> </tr> </table> <p>3. Total Cost (C) = (A) + (B) = (D) + (E) :</p> <table> <tr> <td>(A) Production of Plans and Specifications</td> <td>\$250</td> </tr> <tr> <td>(B) All other Design Costs</td> <td>\$50</td> </tr> <tr> <td>(C) Total</td> <td>\$300</td> </tr> <tr> <td>(D) Contract</td> <td>\$50</td> </tr> <tr> <td>(E) In-House</td> <td>\$250</td> </tr> </table> <p>4. Contract Award 012005</p> <p>5. Construction Start 042005</p> <p>6. Construction Complete 042007</p> <p>B. Equipment associated with this project which will be provided from other appropriations: NONE</p>				(A) Date Design Start	082002	(B) Date Design 35% Complete	092004	(C) Date Design Completed	042005	(D) Percent Completed as of SEPTEMBER 2003	3%	(E) Percent Completed as of JANUARY 2004	3%	(F) Type of Design Contract	Design Build	(G) Parametric Estimate used to develop cost	Yes	(H) Energy study/Life cycle analysis performed	Yes	(A) Standard or Definitive Design:	No	(B) Where Design Was Most Recently Used:	N/A	(A) Production of Plans and Specifications	\$250	(B) All other Design Costs	\$50	(C) Total	\$300	(D) Contract	\$50	(E) In-House	\$250
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<p>JOINT USE CERTIFICATION:</p> <p>The Director, Land Use and Military Construction Branch, Installations and Logistics Dept., Headquarters Marine Corps certifies that this project has been considered for joint use potential. Unilateral construction is recommended. The reason for this recommendation is: This facility can be used by other components on an as-needed basis; however, the scope of the project is based on Marine Corps requirements.</p> <p>Activity POC: Patt Reed Phone No: 760-725-9800</p>			